

Diplomacy of Oil, by I. Belov, (Surv of Sov Press, 29),
16 pp.

RUSSIAN, per, Kommunist, No 13, Moscow, 16 Sep 1957,
pp 112-124.

CIA/FDD Sum 1579

USSR
Pol

55,269

Nov 57

(DC-2800/13)

New Limits For Aviation Sports, by I. Belov, 4 pp.

RUSSIAN, np, Sovetskiy Patriot, Vol XXIII, No 16,
24 Feb 1960, p 3.

JPRS 3689

USSR

Mil

Aug 60

124,074

DIFFICULTIES WITH THE T-74 TRACTOR AT THE
KHARKOV TRACTOR PLANT, BY I. BELOV, 5 PP.

RUSSIAN, NP, LITERATURNAYA GAZETA, 3 JAN
1963, PP 1-2.

JPRS 17301

USSR
ECON
SCI - ENGR
JAN 63

220,090

Compounds Containing a Three-Membered Oxirane Ring.
XXX. Determination of Epoxide Oxygen in Glycidic
Esters, by V. F. Martynov and I. B. Belov, 5 pp

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, No 7,
1962, pp 2341-2345.

CB

Sci

May 63

342, 122

(NY-6503)

The Central Section on Methodology in Biology
of the ~~U~~ Pedagogical Society of the RSFSR,
By I. G. Belov, 4 pp.

RUSSIAN, per, Biologiya v Shkole, X No 4,
Jul/Aug 1961, pp 90-91.

JPRS 10081

Sci - Biol
Sep 61

167,860

An Electric Speed Frame Stop ~~XX~~ Motion for Silver
Breaks or ~~XX~~ Slippages, by I. F. Belov, A. V. Volkov,
et al, 3 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tekh Tekstil
Prom, No 5 (18), 1960.

Textile Institute

Sci
24 Jul 62

203,983

Facies and Chemical Composition of the Trachy-Basalts
of the Sayan-Baikal Highlands, by I. V. Belov, 12 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog, No 7, 1958.

Amer Geolog Inst

Sci - Geophysics

124,415

Introduction of Blown Air Into Gas Ports to
Intensify the Melting Process, by I. V. Belov,
I. Ya. Vilnyanskiy, P. G. Glazkov, D. E.
Krasnozhen, S. A. Telesov, N. I. Berger, 3 p.

RUSSIAN, per, Stal, No 10, 1959, pp 889-891.

British Iron and Steel Inst

Sci

114,820

Apr 60

The Temperature Dependence of the Magnetization
of Pyrrhotite, by K. Belov, et al.

RUSSIAN, per, Kristallograf, Vol I, No 6, 1956,
pp 696-702.

OSTRO 5098

Sci - Min/Met

Jun 61

157, 852

The Temperature Range of Spontaneous Magnetism in
Alloys in the Region of the Curie Point, by K.
Belov and Ia. Paches, 5 pp.

RUSSIAN, per, Fiz Metal i Metall, Vol IV, No 1,
1957, pp 45-53.

Pergamon Press

Sci - Min/Mat

Sep 58

Dept of Science

TA 490

B 45

73,007

Geological Prospects of Discovery of new oil and gas
Fields in the Stavropol District and Kalmyk ASSR, by
K. A. Belov, 8 pp.

RUSSIAN, per, Geolog Nefti i Gaza, Vol IV, No 4-A,
1960.

RRG

Sci

Sep 62

213,626

Coking Gas Coals in the Uncrushed State, by K. A.
Meloy, V. M. Zaychenko, 3 pp.

RUSSIAN, per, Koks i Khim, No 8, 1961.

CIRA

Sci.

Feb 62

184,808

On the Influence of Unilateral Elastic ~~EE~~ Deformations
on the Curie Point of Ferromagnetics, by K. P. Belov,
A. M. ~~Kudortseva~~.

RUSSIAN, per, Vestnik Moskov Univ, Matmat, Mekh,
Astron, Fiz, Khim, ~~XII~~ Vol II, 1958, pp 133-136.

*AEC

Sci
Sep 64

Magnetic and Structural Properties of Lanthanum
Orthoferrite in Which Some of the Fe^{3+} Ions are
Replaced With Other Trivalent Ions,
by K. P. Belov, V. I. Iveronova, 5 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol VI, No 1,
1964, pp 101-107.

Amer Inst of Phys
Sov Phys - Solid State
Vol VI, No 1

Sci-

Aug 64

265,376

'Helical' Antiferromagnetism of Gadolinium, by
K. P. Belov, A. V. Ped'ko, 3 pp

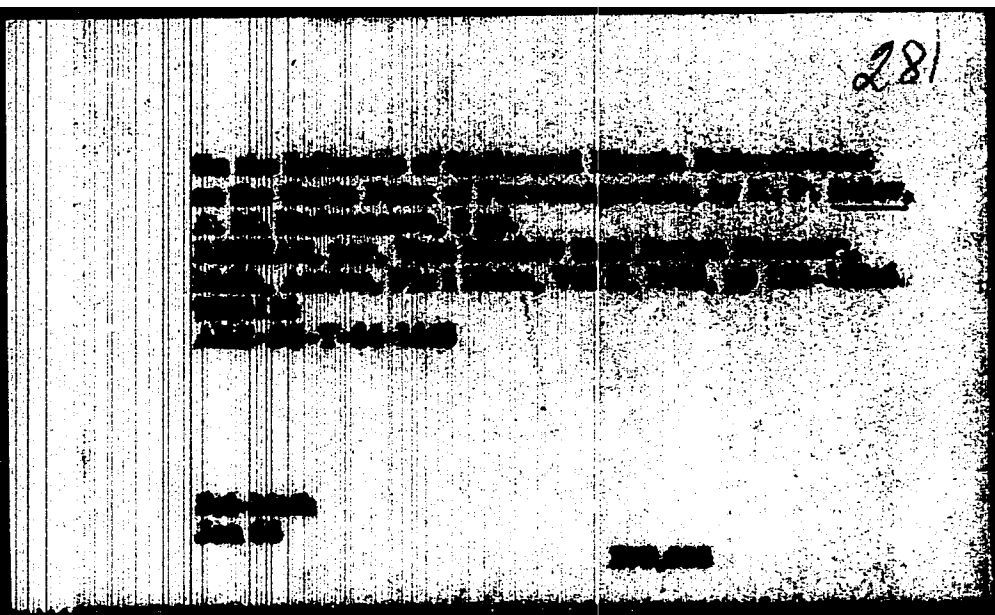
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLII,
No 1, 1962, pp 87-90.

AIP
Sov Phys-JETP
Vol XV, No 1

Sci

Jul 62

214,678



Study of the Low-Temperature Transformation in
a Manganese Ferrite Crystal, by K. P. Belov,
S. A. Nikitin, 5 pp.

RUSSIAN, per, Kristallografiya, Vol V, No 5,
1960, pp 726-731.

AIP

Sov Phys - Crystall
Vol V, No 5

Sci

Jul 62

206,674

**Influence of the Magnetic Sublattice Structure
of Ferrites on Their Physical Properties, by
K. P. Belov, 7 pp.**

**RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XIV.
No 11, 1961, pp 1332-1338.**

GTT

Sci

Nov 62

218,254

Ferrromagnetic Resonance in Monocrystals of
Yttrium Ferrite at Temperatures up to the
Curie Point, by K. P. Belov, V. F. Belov, 4 pp.

RUSSIAN, per, Kristallografiya, Vol V, No 5,
1960, pp 732-736.

AIP

Sov Phys - Crystall

Vol V, No 5

Sci

206,665

Effects of Helicoidal Magnetic Structure on the
Magnetostri~~ction~~ of Dysprosium, by K. P. Belov,
S. A. Nikitin, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,
Vol XLII, No 2, 1962, pp 403-407.

AIP
Sov Phys - JETP
Vol XV, No 2

210,841

Sci
~~XXXXXX~~
Sep 62

Nature of Low-Temperature Magnetic Anomalies in
Ferrites With Compensation Points, by K. P. Belov,
3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLI,
No 3, 1961, pp 692-695.

AIP
Sov Phys - JETP
Vol XIV, No 3,

Sci
Jun 62

201,736

Belov, K. P.
MAGNETIC TRANSITIONS. Nov 61, approx. 25(p).
Order from CB \$12.50

Trans. of mono. [Magnitnye Prevrashcheniya, Moscow, 1959].

DESCRIPTORS: *Magnetism, Thermodynamics, *Phase transitions, *Magnetic materials, *Transition temperature, *Ferromagnetic materials, Computers, Control systems, Solid state physics, Antiferromagnetism.

(Physics--Magnetism, TT. v. 7. no. 6)

61-25739

I. Belov, K. P.
II. Consultants Bureau Enterprises, Inc., New York

197070

Office of Technical Services

On the Problem of the Anomalous Increase of the
Line Width of Ferromagnetic Resonance Absorption
in Ferrites Near the Curie Point, by K. P. Belov,
V. F. Belov, 4 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol. III, No 5,
1961, pp. 1425-1427.

AIP
Sov Phys - Solid State
Vol. III, No 5

Sci

189.104

Mar 62

Below, K. P. and Nikitin, S. A.
INVESTIGATION OF THE LOW-TEMPERATURE
TRANSITION IN MANGANESE FERRITE CRYSTALS.
[1961] 11p. 12 refs.
Order from OTS or SLA \$1.60

61-18278

Trans. of #Kristallografiya (USSR) 1960, v. 5, no. 5;
p. 726-731.

DESCRIPTORS: *Transition temperature, *Low tem-
perature research, *Single crystals, *Ferrites,
*Manganese, Electrical properties, Resistance,
Magnetite, Electrons, Ions, Exchange reactions.

An anomalous temperature characteristic of electrical
resistance and galvano-magnetic effect is detected in
the region of -75°C for single crystal manganese ferrite
which obviously is related to the existence of a low-
temperature transition. It is determined that the elec-
trical properties and the magnetic anisotropy for
(Physics--Solid State, TT, v. 6, no. 10) (over)

61-18278

I. Below, K. P.
II. Nikitin, S. A.

Office of Technical Services

TT-62-29121

Belov, K.P. and Agasyan, O.N.
VARIATION DE LA STRICTION MAGNÉTIQUE DES
ALLIAGES DU TYPE "INVAR" EN FONCTION DE LA
TEMPERATURE (O Temperaturnoi Zavislmosti
Magnitostriksii Splaviv Tipa Invar) (Temperature
Dependence of the Magnetostriction of Invar-Type
Alloys). 19p. (foreign text included) 6refs.
CNRS-X 130.

Order from OTS, ETC or CNRS \$1.60 TT-62-29121

Trans. in French of Akademiya Nauk SSSR. Izves-
tiya. Seriya Fizicheskaya, 1947, v.11, no.6,
p.655-659.

DESCRIPTORS: *Nickel alloys, Deformation, *Mag-
netostriction, Temperature.

(Physics--Magnetism, TT, v. 11, no. 11)

- I. Belov, K.P.
- II. Agasyan, O.N.
- III. CNRS-X 130
- IV. Centre National de la
Recherche Scientifique,
Paris

Office of Technical Services
European Translations Centre

On the Thermodynamic Theory of Antiferromagnetic
Transformation, by K. P. Belov, R. Z. Levitin,
6 pp.

RUSSIAN, per, Vest Mosk U Matemat, Mekh, Astron,
Fiz, Khim, No 3, 1959, pp 129-133.

MDF B-165
9092609

171,290

Sci

Oct 61

Magnetoelastic Phenomena in Antiferromagnets,
by K. P. Belov, R. Z. Levitin, 5 pp.

RUSSIAN, rpt, Ferrity, Ak Nau: USSR Press,
1960, pp 78-82.

NDF B-183
9092625

171, 281

Sci

Oct 61

Anomalies in Internal Friction and Modulus of
Elasticity in Ferromagnetics Near the Curie Point,
by K. P. Belov, G. I. Katayev, R. Z. Levitin,
4 p.

RUSSIAN, per, Zhur Ekspier i Teoret Fiz, Vol XXXVII,
No 4, (10), 1959, pp 938-943.

Amer Inst of Phys
Sov Phys - JETP
Vol XXXVII,(10), No 4

Sci
Apr 60

114,866

Belov, K. P. and Levitin, R. Z.
MAGNETOELASTIC PHENOMENA IN ANTIFERRO-
MAGNETS. [1961] 5p. 9 refs.
Order from MDF \$3.50 MDF B-183

Trans. of mono. Ferrity [Ferrites] [Minsk] 1960,
p. 78-82.

DESCRIPTORS: *Antiferromagnetism, *Elasticity,
*Magnets.

(Physics--Magnetism, TT, v. 6, no. 2)

61-22430

- I. Belov, K. P.
- II. Levitin, R. Z.
- III. Title: Ferrites
- IV. MDF B-183
- V. Friedman, Morris D.,
Inc., West Newton, Mass.

Office of Technical Services

TP 748

BELOV K. P.

Magnetic transitions

Russian monograph: "Magnitnye prevrashcheniya" 1959

English

E u r a t o m

CE

Don
To the Thermodynamic Theory of Magneto-Elastic
and Magnetostrictive Phenomena in Ferromagnetics,
by K. P. Belov, 13 pp.

RUSSIAN, per, Fiz Met i Metal, Vol II, No 3, 1956,
pp 447-453.

SLA Tr R-873

Sci - Physics

Sep 57

52, 304
Morris D. Friedman

Anomalies in the Temperature Dependence of the
Coercive Force in Rare Earth Element Garnet Ferrites
in the Neighborhood of the Compensation Point, by
K. P. Belov, A. V. Ped'ko, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,
No 4 (10), 1960, pp 961-964.

AIP
Sov Phys - JETP
Vol XII, No 4

158, 427

Sci

Jun 61

Galvanomagnetic Properties of Lithium Chromite
Ferrite, by, K. P. Belov, A. N. Goryaga, Lin Chang-
Te, ~~1958/1959~~ 3 pp.

RUSSIAN, per, Zhur Eksp. i. Teoret Fiz, Vol XL,
No 3, 1961, pp. 752-756.

AIP
Sov Phys - JETP
Vol XIII, No 3

165,601

Sci

Hall Effect in Ferrites near the Curie Point, by
K. P. Belov, E. P. Svirina, 4 pp.

RUSSIAN, per, Zhur Ekaper i Teoret Fiz, Vol XXXVII,
No 5 (11), 1959, pp 1212-1216.

Amer Inst of Phys
Sov Phys-JETP
Vol XXXVII (10), No 5

Sci

Jun 60

117,797

Effect of Atomic Ordering on Exchange Interaction in
the Fe_3Pt Alloy, by K. P. Belov, Z. D. Sirota, 3 pp.

RUSSIAN, per, Zhur Ekspier 1 Teoret Fiz, Vol XXXVI
(9), No 4, 1959, pp 1058-1062.

ATP
Sov Phys - JHEP

Nov 59

100,896

The Influence of Elongation on the Saturation Magneti-
cation of Iron-Nickel Alloys of the Invar Region, by
E. P. Belov.

RUSSIAN, per, Zhur Tekh Fiz, Vol XIX, 1949, *7091* *sep 1032-1040*

S.L.H. R-474
27 Nov 57
ABC Tr 238

PA 149T94

149T94

Scientific - Physics

15,837

Magnetic Properties of Ferrites with a Compensation
Point, by L. P. Bolov, K. N. Bol'shova, T. A.
Elkina, and M. A. Zaitseva.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXII,
No 10, 1958, pp 1272-1281.

Columbia Tech

Sci

Dec 59

102, 104

Ferromagnetics and Antiferromagnetics Near
the Curie Point, by K. P. Belov, 50 pp.

RUSSIAN, per, Uspekhi Fizicheskikh Nauk,
Vol LXV, No 2, 1958, pp 207-256.

AEC-tr-5332

PL-480

Sci
Jun 64

261,441

Resonance and Magnetic Properties of Yttrium Iron
Garnet at Low Temperatures, by K. P. Belov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,
No 6 (12), 1960, pp 1542-1547.

AIP
Soviet Phys - JETP
Vol XII, No 6

Sci

Jul 61

160, 215

Belov, K. P., Zaleskiy, A. V., and L'vova, A. S.
THE TEMPERATURE DEPENDENCE OF THE MAGNETIZATION OF PYRRHOTITE (O Temperaturnoy Zavisimosti Namalnichivaniya Pirrotina) tr. by E. Feigl. [1961] [15]p. (foreign text included) 13 refs. [CSIRO] Trans. 5098.

Order from LC or SLA mi\$2. 40, ph\$3. 30 61-19377

Trans. of Kristallografiya (USSR) 1956, v. 1, no. 6, p. 696-702.

The temperature dependence of the specific susceptibility and the magnetization of natural pyrrhotite specimens is investigated within the temperature range from room temperature to 600°C. The presence of thermal hysteresis of the magnetic properties at temperatures below the λ peak is confirmed. It is shown that the transformation in the region of the λ peak is diffusive in character and takes place isothermally. Rapid cooling leads to absence of a λ peak on the susceptibility-temperature curve and the magnetic properties of (Metallurgy--Ferrous Metals, TT, v. 5, no. 11) (over)

61-19377

1. Iron ores--Temperature factors
- I. Belov, K. P.
- II. Zelesskiy, A. V.
- III. L'vova, A. S.
- IV. CSIRO Trans-5098
- V. Commonwealth Scientific and Industrial Research Organization (Australia)

Office of Technical Services

Galvanomagnetic properties of terbium, dysprosium
and holmium

By K. P. Belov, S. A. Nikitin, & 5pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol XIII, No 1,
1962.

PP

Sci

Aug 63

342, 485

Calculation of the Magnitude of the Curie Temperature Shift Due to Pressure from Magnet~~o~~striction Results, by K. P. Belov and I. K. Panina, 4 pp.

RUSSSIAN, per, Fiz Met i Metall, Vol IV, No 1, 1957, pp 185, 186.

SLA R-2044

Sci

Aug 58

71,065

Magnetostriction of Ferromagnetic Alloys in the
Region of Technical Saturation, by K. P. Belov,
15 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XX,
No 1, 1950, pp 54-61.

Sci Mus Lib Tr 57/3667

Sci - Physics
Apr 58

60,518

NRC-C 2454
" " " 5691

On the Magnetostriction of Iron-Platinum Alloys,
by N. S. Akulov, E. I. Alizade, K. P. Belov.

thrice No 6,
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXV, 1949,
pp 815-818.

Brutcher Tr 2643

Scientific - Min/Metals

\$1.85

Also Sci Nu Lib 50/1337

12,659

On Measurement of Magnetoresistance in Ferrites
Near the Curie Point, K. P. Belov, A. S. Pakhomov,
E. V. Talalayeva, ~~pp~~ 3pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 2
1961, pp 436-440.

AIP
SOV Phys-Solid State
Vol III, No 2

166,039

Sci
Aug 61

New Magnetic Materials--Garnet Ferrites, by
K. P. Belov, M. A. Zaitseva, 3 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVI, No 1,
1958, pp 141-156.

AIP
Sov Phys-Uspekhi
Vol 1(66), No 1

132,074

Sci

Nov 60

Physics of New Ferromagnetic Materials by
K. P. Belov, 9 pp.

RUSSIAN, per, Vestnik Ak Nauk SSSR, Vol. XXVI,
No 5, 1961, pp 33-38.

MDF B-192
9092629

173,084

Sci

Oct 61

Spontaneous Lattice Deformations in Ferromagnetic
Transitions, by K. P. Balov, N. K. Panina, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 5, Nov-Dec 1956, pp 985-

Amer Inst of Phys
Sov Phys "Doklady"
Vol I, No 6

Sci - Physics
Oct 57

53,398

On the Thermodynamic Description of Magnetization
of Ferromagnetics Near the Curie Temperature, by
K. P. Belov, A. N. Goryaga.

RUSSIAN, per, Fiz Metallov i Metallov, SSSR, Vol II,
No 1, PP 3-9, 1956,

Navy Tr No 1498/MRL 615

49,069

Sci - Physics
Jun 57

Influence of the Structural Characteristics of Ferromagnets of the Temperature Dependence of the Spontaneous Magnetization, by K. P. Belov, A. N. Goryaga, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 8, 1957, pp 1038-1046.

Columbia Tech

Sci - Phys

Dec 58

77,743

Electrical and Thermoelectrical Phenomena in
Ferromagnetic Materials, by K. P. Belov, 57 pp.
UNCL

RUSSIAN, bk, Uprugiye, Tiplovyye i Elektricheskiye
Yavleniya v Ferromagnetikakh, Chapter V, 2d Ed,
Moscow, 1957, pp 212-262. CIA 645732

ATC F-48-9837/V

Sci - Phys
Apr 59

85,053-

Investigation of the Magnetization of Ferrites in the
Vicinity of the Curie Point, by K. P. Belov, K. M.
Bol'shova, T. A. Elkina, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 8,
1957, pp 1047-1054.

Columbia Tech

Sci - Phys

Dec 58

77.744

Magnetic Properties of Gadolinium Oxides, by
K. P. Belov, M. A. Zaytseva, A. V. Ped'ko, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVI
(9), No 6, 1959, pp 1672-1679.

Amer Inst of Phys
Sov Phys-JETP

Sci

Jan 60

106,783

Frequency Multiplier Based on a Reflex Klystron,
by L. A. Belov, M. V. Kapranov, 11 pp.

RUSSIAN, per, Radiotekh i Elek, No 4, 1963.

IEEE

Sci

Apr 64

254,471

Complexes Formed in Organic Solvents, by V. M.
Vdovenko, L. M. Belov, A. A. Chaykhovskiy, 6 pp.

RUSSIAN, per, Radiokhim, Vol I, No 4, 1959,
pp 439-444. 9079521

Infosearch Ltd. London
as RK-59/4.15

Sci - Chem

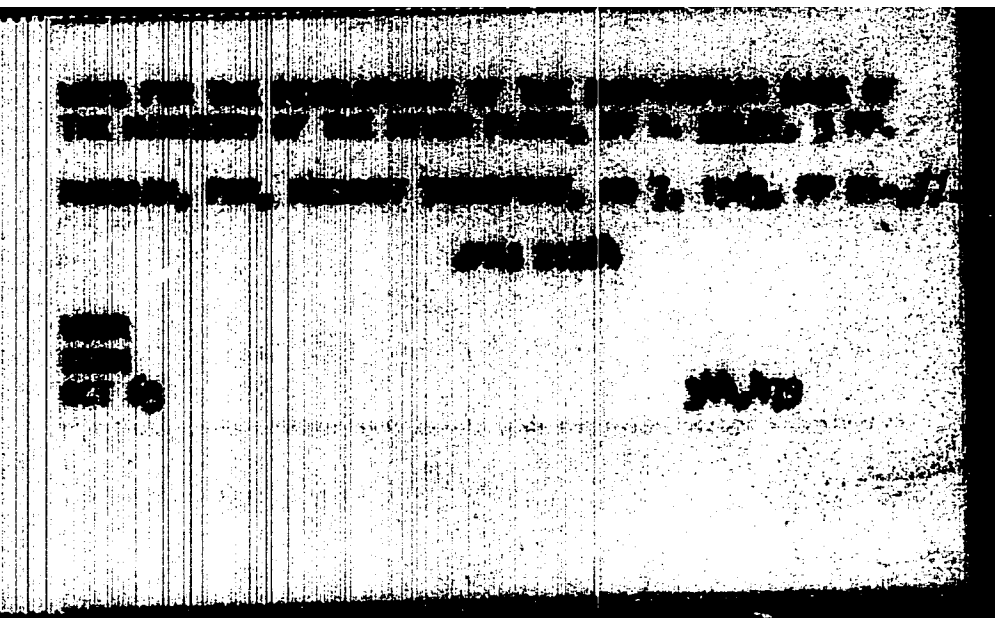
164,299

Aug 61

Effectiveness of Introducing Plastics in Machine
Building; Based on the Experience of the
Soviet Union, by M. I. Balov, 5 pp.
RUSSIAN, per, Vestnik Mashinostroeniya, No 12,
Dec 1964, pp. 75-76.
JPRS 90444

USSR
Econ
Jun 65

251,492



The Shubnikov Group 1551, by N. Balov, N. Neporova,
T. Smirnova, 45 pp.

RUSSIAN, per, Trudy Inst Khrist Ak Nauk SSSR, No 11,
1955, pp 33-67.

SLA R-1456

Jul 58

69, 949

The Diagnostic Value of Blood Serum
Transaminas and Aldolase in Acute Coron-
ary Insufficiency by B. F. Korovkin, N.
A. Belov, A. S. Kantorovich

RUSSIAN, mo per, Voenno Med Zhur, No 5,
Moscow, May 1960, pp. 30-33

US JPRS 5592

Sci - Medicine
Oct 60

127,892

New Data on the ⁵Sequence of Bottom Sediments in
the Arctic Ocean Basin, by H. A. Belov, R. M.
Lapina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXII, No 1, 1958,
pp 115-118.

Consultants Bureau

Sci

Jan 60

104, 767

Our Present Concepts of the Geology of the
Central Arctic, by V. N. Saks, N. A. Belov,
N. N. Lapina; The Ice Age and Atlantis, by
E. F. Hagemeister; Comments on Hagemeister's
Paper, by V. A. Obruchev, 19 pp.

RUSSIAN, per, Priroda, Vol VII, 1955, pp 13-22,
92-96, 96. CIA D 358115.

Def Sci Info Sv
DRB, (Canda)
T-196 R

Sci - Geophysics

29,903

(1374/22-F)

Post-Burn Hypochromic Anemia, by N. A.
Belov, 9 pp.

RUSSIAN, per, Voenno-Med Zhur, No 5, 1959.

JPRS 2443

Sci - Med
Oct 60

130,366

International Fedorov Session on Crystallography
at Leningrad, by N. B. Belov, B. K. Vainshtein,
A. I. Kitaigorodskiy, M. A. Poray-Koshits, S. A.
Semiletov, N. N. Sheftal', 4 pp.

RUSSIAN, per, Kristallografiya, Vol IV, No 5,
1959, pp 796-800.

Amer Inst of Phys
Soc Phys-Crystal

119,319

Sci-Phys

Jun 60

(2466-D).

Ship Building and Ship Repair, by N. M. Belov,
M. F. Konnov, Ya. L. Levin, H. P. Rukavishnikov,
47 pp.

RUSSIAN, bk, Rechnoy Transport USSR, 1917-1957,
~~1957~~ 1957, pp 235-286.

JPRS-L-1849-D

USSR
Econ - River transport
Sep 59

95,606



The Crystalline Structure of Epididymite
 $\text{NaBeSi}_3\text{O}_7(\text{OH})$. A New Type of Infinite
Silicon-Oxygen Chains (Bands), by Ye. A.
Pobedinskaya, N. V. Belov, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXIX,
No 4, 1959, pp 900-903.

AGI

Sci

Jun 61

154,693

The Crystal Structure of Rubidium Di(meta)-
Fluoroberyllate, RbBe_2F_5 , by V. V. Ilyukhin, N. V.
Belov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,
pp 1066-1069.

AIP
Sov Phys - Dok
Vol VI, No 10

190,814

Sci

Apr 62

61-22231

Belov, N. V. and Tambellini, V. P.
OPENING UP DENSE, LOW PERMEABILITY FORMA-
TIONS BY DETONATING LARGE CHARGES. [1961]

9p.

Order from ATS \$14.10

ATS-81M47R

Trans. of Gazovaya Prom[yshlennost'] (USSR) 1960,
v. 5, no. 9, p. 6-12.

DESCRIPTORS: *Rock, Permeability, Penetration,
Blast.

- I. Belov, N. V.
- II. Tambellini, V. P.
- III. ATS-81M47R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATC/RS-2763

Office of Technical Services

(Engineering, TT, v. 6, no. 4)

Color Antisymmetry Mosaics, by N. N. Meronova,
N. V. Belov, 7 pp.

RUSSIAN, per, Kristallografiya, Vol VI, No 6, 1961,
pp 631-639.

AIP
Sov Phys - Crystal
Vol VI, No 6

205,378

Sci
Jul 62

The Crystal Structure of Rubidium Di(meta)
fluoroberyllate (RbBe_2F_5) and Its Relationship
to Silicate Sheet Structures with $[\text{Si}_2\text{O}_5]$ Units,
by V. V. Plyukhin, N. V. Belov, 9 pp.

RUSSIAN, per, Kristallografiya, Vol VI, No 6, 1961,
pp 847-858.

AIP
Sov Phys - Crystal
Vol VI, No 6

Sci
7-1 50

205,380

Specific Features of Diadochic Entry of Trace Elements,
Boron in Particular, into the Structure of Other
Minerals, by Belov, N. V., 6 pp.

RUSSIAN, per, Geokhim, No 10, 1961.

Geochem Soc

Sci

Nov 62

216,344

(SF-1878)

Berlin Symposium on the Silicates With Monovalent and
Bivalent Cations, by N. V. Belov, 7 pp.

RUSSIAN, per, Zhur Vses Khim Obshch imeni D. I.
Mendeleyeva, Vol V, No 6, 1960, pp 686-688.

JPRS 10783

Sci - Misc.

Nov 61

174,229

Ferromagnetic, Antiferromagnetic and Ferroelectric
Groups, by N. V. Belov.

RUSSIAN, mono, Ferromagnitiye, Antiferromagnitnye
i Segnetoelektricheskie Gruppy, Moscow, 1962 96 pp.

*CB

S i
Oct 63

A Second Chapter in the Chemical Crystallography
of the Silicates, by N. V. Belov, 9 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, Vol I, No 1,
1960, pp 39-50.

CB

Sci
Jul 61

157,542

The Structure of Epididymite $\text{NaBeSi}_3\text{O}_7(\text{OH})$.
A New Type of $\sqrt{\text{Si}_6\text{O}_{15}}$ Chain, by E. A. Pobedinskaya, N. V. Belov, 11 pp.

RUSSIAN, per, Zhur Strukturny Khim, Vol I, No 1,
1960, pp 51-63.

CB

Sci
Jul 61

157,544

Expanded Formulas of Beryl, by N. V. Belov, 5 pp.

RUSSIAN, per, Geokhiz, No 8, 1959, pp 734-

Geochem Soc

Sci

Oct 61

172,904

**False Symmetry of Lonsdaleite, by I. M. Rasmussen,
H. V. Balov, 3 pp.**

**RUSSIAN, per, Kristallografiya, Vol V, No 2,
1960, pp 215-217.**

**AIP
Sov Phys - Crystall
Vol V, No 2**

Sci 201,617

Jun 62

Boron Diadochy in Silicates from the Point of
View of Crystal Chemistry, by N. V. Belov, 8 pp.

RUSSIAN, per, Geokhim, No 6, 1960.

GS

Sci

Aug 62

216,225

Derivation of the Structure of Lovensite From
Sections of the Three-Dimensional Patterson
Function, by V. V. Elyashin, H. V. Belov, 13 pp.

RUSSIAN, per, Kristallografiya, Vol V, No 2,
1960, p. 200-214.

AIP
Sov Phys - Crystall
Vol V, No 2

201,616

Sci

Jun 62

The Hexagonal Space Groups, by N. V. Belov 8 pp

RUSSIAN, per, Kristallografiya, Vol IV, No 2,
1959, pp 268-.

Amer Inst of Phys
Sov Phys-Crystallography
Vol IV, No 2

Sci

Mar 60

110,351

Crystal Structure of Seidozerite, by V. I.
Simenov, N. V. Belov, 4 pp.

RUSSIAN, ^{Sc} DOKL. AKADEM. NAUK SSSR, Vol. ~~XXII~~ ^{XXIII}, 1958,
No 3, pp 473-.

Consultants Bureau

Sci

Jan 60

104, 740

The Crystal Structure of Foshagite - $\text{Ca}_6[\text{Si}_6\text{O}_{17}](\text{OH})_6$
by Kh. S. Mamedov, N. V. Belov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5,
1958, pp 901-

CB

Sci
Nov 59

101,032

The Structures of Herderite, Datolite, and
Gadolinite Determined by Direct Methods, by
P. V. Pavlov, N. V. Belov, 15 pp.

RUSSIAN, per, Kristallografiya, Vol IV, No 3,
1959, pp 323-327.
4 340

Amer Inst. of Phys
Sov Phys. Crystal
Vol IV, No 3

Sci

Apr 60

114,166

The Simplest Method of Deriving the Fedorov
(Space) Groups, by N. V. Belov, R. F. Klevtsova,
4 pp.

RUSSIAN, per, Kristallografiya, Vol IV, No 3,
1959, pp 289-292.

Amer Inst of Phys
Sov Phys- Crystal
Vol IV, No 3

Sci

Apr 60

114,160

Crystal Structure of Mica-Like Hydrous Calcium
Silicates: Okenite, Ekeite, Truscottite and Gyrolite,
New Silicate Radical $(Si_6O_{15})_{\infty}$, by Kh. S. Mamedov,
H. V. Belov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 4,
1958, pp 720-723.

8

CB

Sci
Nov 59

101,029

Forecasting Potentialities of Empirical In-
fluence Functions and Their Properties, by
P. N. Belov, 5 pp.

RUSSIAN, per, Iz Ak Nauk USSR, Ser Geofiz, No 5,
1959, pp 778-782.

Amer Geophys Union

Sci "
Aug 60

122, 146

Structures of
Bipyramidal Networks with Over-All-Cubic or
Diamond Symmetry, by N. L. Smirnova, N. V.
Belov, 57 pp.

RUSSIAN, per, Kristallografiya, Vol VII, No 6,
1962, pp. 826-834.

Amer Inst. of Phys
Sov Phys - Crystal
Vol VII, No 6

Sci

Jun 63

342,653

Ferromagnetic and Ferroelectric Space Groups, by
N. N. Neronova, N. V. Belov, 6 pp.

RUSSIAN, Fiz. Kristallografiya, Vol IV, No 6,
Nov-Dec 1959, pp 807-812.

Amer Inst of Phys
Sov Phys - Crystal
Vol IV, No 6

Sci
Jul 60

122,348

The Symmetry of Ferroelectrics, by
N. V. Belov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 3,
1959, pp 556-.

Amer Inst of Phys
Sov Phys-Doklady
Vol IV, No 6

Sci

Jul 60

120,649

On the Nomenclature of the 80 Plane Groups in
Three Dimensions, by N. V. Belov, 4 pp.

RUSSIAN, per, Kristallografiya, Vol IV, No 5, 1959,
pp 775-777.

Amer Inst of Phys
Soc Phys-Crystal

119, 314

Sci-Physics

Jun 60

The Crystalline Structure of Tricalcium Silicate
Hydrate, by Kh. S. Mamedov, R. F. Klevtsova,
N. V. Belov, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 1,
1959 pp 151-154.

AGI

Sci

Jun 61

152, 216

On the Wohlerite-Lavenite and Rinkite-Mossendrite
Groups, by Kh. S. Mamedov, V. I. Simonov,
N. V. Belov, 2 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol. CXXVI, No 2,
1959, pp 379-381

AGI

Sci

Jun 61

152, 217

A Very Simple Way of Deducing the Space Groups,
by N. V. Belov, R. F. Klevtsova, 4 p.

RUSSIAN, per, Kristallografiya, Vol IV, No 4,
1959, pp 473-476.

AIP
Sov Phys-Crystal
Vol IV No 4

IV

115, 563

Sci

May 60

THE DETERMINATION OF THE STRUCTURE OF Seidozerite,
by V. I. Simonov, N. V. Belov, 12 pp.

RUSSIAN, per, Kristallografiya, Vol IV, No 2,
1959, pp 163-175.

Amer Inst of Phys
Sov Phys-Crystallography
Vol IV, No 2

Sci

Mar 60

110,096